I st and Final Bill Work code. 005-19-000031

M. A. R. 57 (Rule 116)

Measurement Book

No. B Est cost Rs 20.00 Lacs

Serial No. .....

Name of Work Improvements to Road And Draing At MCECHS Layout in Ward No. 05 From ..... To ..... Byatarayanapura 353311

Name of Contractor of nature of Agency ..... Sub division .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No. BBMP/SE/BTP/WO/56/2019-2020						
	Name & Contractor - M/s Shree Charan Construction Prop. Sri. TS. Kodhandaraju. No. 05. Sree Srinivas Bagath Ex. Clave. Kasthamakanapalya. Yalahanka. Bangalore. 560064						
(1)	Carriage Excavation by manual means in ordinary soil and in lifting and depositing on average upto 1.5 m lift above GL						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2 mazdoors and an average Mason engaged and 3 days necessary to be allowed as per specification,				up to 0.50 m		Excavated earth to be disposed of as per direction,
	As per Pre-measurements Page No.. 353360 to 353363 recorded vide in this MB.						
	Page. 135 : 00					93.74	
②	Providing and laying in position plain cement concrete 1:4:8 with OPC cement at 180 kg with graded granite metal coarse aggregate						12654 : 90

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353312

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of 0.892 Cum and fine aggregate & 0.87 Cum machine mixed Concrete laid in layers not exceeding 15 cms thick well Compacted in foundation and Plinth including cost of all necessary Labour Tools & machinery curing Complete as per Specification.						
	As per the measurements recorded vide Page No.. 353363 to 353364					in this MB.	
	Rate. ₹ 380:00					11.69 M^3	62892:20

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measuremer
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Providing and constructing granite/hard/basal stone masonry in foundation with CM 1:6 Stone hammered dressed in courses not less than 200mm and not exceeding 300mm as 2.0 MSN apart in each course not less than 200mm height stones as 2.0 MSN apart including cost & necessary labour curing complete as per Specification.						
	As Per Pre. Measurements recorded vide Page No. 353364 to 353364						in this MB.
	Rate. 4700 ± 10					22.32 M^3	104904:
(4)	Providing and constructing granite/hard/basal stone masonry in basements with CM 1:6 ratio						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353313

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Stone rubble pressed in courses not less than 15 cms thick and stones of 2.0 Mt area in each course including cost of necessary labour lowering courses as per specifications						
	① Venkateshpura Arch.	2	8.00	0.50	0.45	3.60	
	② Niranjanalayout STS Road.	2	6.15	0.50	0.45	2.76	
	③ Niranjanalayout STS Road.	2	6.10	0.50	0.45	2.74	
	④ Niranjanalayout STS Road.	2	5.90	0.50	0.45	2.65	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	⑤ Kuruwpanagara Main Road.	2	5.60	0.50	0.45	2.52	
	⑥ Agrahara Lane up I st main to Mcroad	2	5.45	0.50	0.45	2.45	
						16.72	m^3
	Rate. 5700:00						95304:00
5	Providing and removing Centering & Shuttering including propping etc. and removal & formwork Centering and Shuttering & Seams for Cement concrete including Centering & Shuttering not exceeding 1.0 m depth in Cellars Centering & Miscellaneous Lagans Complete as per Specification.						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353314

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per Pre. Measurment recorded vide page No. 353365 to 353366 in this MB						
	Page. 320:00					43.99 m^2	14076:80
⑥	Providing and laying in position plain Cement Concrete of mix 1:3:6 with OPC Cements @ 220 kg/m³ with 20mm down size graded Granite metal Coarse aggregate of 0-8 4mm and fine aggregate 0.56 cum machine mixed Concrete laid in layers not exceeding 15cms including curing all complete						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measuremen
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in foundation and Plinth including cost & allowa lasom curing Complete as per Specification.						
	①	2	8.00	0.50	0.15	1.20	
	②	2	6.15	0.50	0.15	0.92	
	③	2	6.10	0.50	0.15	0.91	
Wash room	④	2	5.90	0.50	0.15	0.88	
	⑤	2	5.60	0.50	0.15	0.84	
	⑥	2	5.45	0.50	0.15	0.81	
Vent & Concrete	①	1	8.00	0.60	0.15	0.72	
	②	1	6.15	0.60	0.15	0.55	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 353315

erial No. .....

lame of Work ..... From..... To.....

lame of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	③	1	6.10	0.60	0.15	0.54	
	④	1	5.90	0.60	0.15	0.53	
	⑤	1	5.60	0.60	0.15	0.50	
	⑥	1	5.45	0.60	0.15	0.49	
	Ramp.						
	①	2	8.00	0.70	0.11	1.23	
	⑥	2	5.45	0.60	0.11	0.71	
	Rate. 5400:00					10.60 m³	57240:00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Providing Flush pointing to cornice and stone masonry with cement mortar 1:3 20 mm deep open joints to depth & 20 mm deep open joints to depth & 20 mm thick cement lining including cost of sand lesson curing complete as per specification.						
	(1)	2	8.00	-	0.50	8.00	
	(2)	2	6.15	-	0.50	6.15	
	(3)	2	6.10	-	0.50	6.10	
	(4)	2	5.90	-	0.50	5.90	
	(5)	2	5.60	-	0.50	5.60	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353316

erial No. .....

ame of Work ..... From..... To.....

lame of Contractor of nature of Agency .....

)ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	⑥	2	5.45	-	0.50	5.45	
						37.20 m^2	
	Rate - 220 : 00						8184 : 00
	⑧ Providing and laying in position plain cement concrete in proportion of 1:2:4 (1 part cement 2 parts coarse sand and 4 parts graded stone aggregate 20 mm nominal size) in foundation and plinth including curing complete.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Conforming to IS 1199 Exceeding 15 cm upto 20 cm thick in foundation plinth and ground floor level for roof slabs, suspended floors, landings, balconies, walls, staircase, lintels, beams, columns, piers including curing & all necessary complete as per specification.						
	(1)	1	8.00	1.65	0.23	3.03	
	(2)	1	6.15	1.65	0.23	2.33	
	(3)	1	6.10	1.65	0.23	2.31	
	(4)	1	5.90	1.65	0.23	2.23	
	(5)	1	5.60	1.65	0.23	2.12	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 353317

erial No. .....
lame of Work ..... From..... To.....
lame of Contractor of nature of Agency .....
)ate of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(6)	1	5.45	1.65	0.23	2.06	
	Ramp - (2)	2	6.15	0.60	0.11	0.81	
	(3)	2	6.10	0.35	0.11	0.46	
						15.35 M^3	
	Rate. 5600:00						85960:00
9	Providing TMT Steel reinforcement for RCC work including straightening cutting bending hooking Placing in position						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Capping and curing whenever necessary Cem as per design (Cabbages and Rosettes Shall not be me and Paid) Cost of materials Compose as per Specifica						
	As per Pre-Measurements accepted vide Page No.. 353366 to 353368 in this MB						
	Rate 69000:00					1.11 TPM	76590:00
(11)	Providing and applying Primer coat from 7.5 to 9.8 and 9.8 to 12.2 Kg per Square for Surface of Walls and Medicines porosity depressurizing over Prepared Surfa						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353318

al No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	9" Granular base CBR Curb Sand Mc-70 or any other Bituminous with diesel oil 10 kg per 10 sq.m. heated in bitumen boiler & laid with sprayer & (excluding cleaning & road surface including cost & allowance with & compaction as per specification As per pre-measurements recorded vide page no.. 353370 to 353373 in this MB. Rate - 25:00					4386.00 m^2	109650:00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(10)	Providing and applying Serrading and Compacting Graded Stones aggregate to wet Mix macadam Specn including Premixing the material with water as ordered in Mechanical Mix Plant Carriage & mixed material to proper profile laying in uniform Layers with Power in Suitable Layers on well Prepared Surface and Compacting with Vibratory roller to achieve the desired Compaction as per Specification etc.-Complete as per Specification As Per Pre-measurements recorded vide Page No. 353368 to 353370 in this MB Rate- 1750:00					107.75 M³	188561

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 353319

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12	Providing and laying Semi dense bituminous Concrete 25mm dense WBM 100-120 TPH batch type producing an average output of 75 Tonnes per hour using crushed aggregate of specified grading premixed with bituminous binder at 4.5 to 5% of mix and finally transporting the hot mix to work site laying with a hydrostatic paver finisher with sensor control to the required grade level and alignment rolling with smooth wheeled vibrating and tandem rollers to achieve the desired Compaction as per Morth Specification						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Concrete in all degrees as per Specification and direction of the Engineer in charge of the work.						
	Masonry 22nd course	1	30.00	$\frac{(4.10+5.10)}{2}$	x0.03	4.14	
		1	30.00	$\frac{(5.10+5.0)}{2}$	x0.03	4.54	
		1	30.00	$\frac{(5.0+4.90)}{2}$	x0.03	4.45	
		1	30.00	$\frac{(4.90+5.40)}{2}$	x0.03	4.63	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353320

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	23rd Cross Road.	1	26.00	$\frac{(5.40+5.50)}{2}$	x0.03	4.25	
		1	30.00	$\frac{(4.60+5.0)}{2}$	x0.03	4.32	
		1	30.00	$\frac{(5.0+4.90)}{2}$	x0.03	4.45	
		1	30.00	4.90	0.03	4.41	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd Cross Road.	1	30.00	$\frac{(4.90+5.40)}{2}$	x 0.03	4.63	
		1	23.00	$\frac{(5.40+5.90)}{2}$	x 0.03	3.89	
		1	30.00	$\frac{(4.70+4.80)}{2}$	x 0.03	4.27	
		1	30.00	$\frac{(4.80+4.80)}{2}$	x 0.03	4.18	
		1	30.00	$\frac{(4.80+4.60)}{2}$	x 0.03	4.09	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 353321

rial No. .....

me of Work ..... From..... To.....

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ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Road.	1	30.00	$\frac{(4.60+5.10)}{2}$	×0.03	4.36	
		1	27.00	$\frac{(5.10+5.40)}{2}$	×0.03	4.25	
		1	30.00	$\frac{(5.0+5.45)}{2}$	×0.03	4.70	
		1	30.00	$\frac{(5.45+5.50)}{2}$	×0.03	4.92	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(5.50+5.35)}{2}$	X0.03	4.88	
		1	30.00	$\frac{(5.35+5.45)}{2}$	X0.03	4.86	
		1	30.00	$\frac{(5.45+5.50)}{2}$	X0.03	4.92	
		1	30.00	$\frac{(5.50+5.40)}{2}$	X0.03	4.90	
		1	30.00	$\frac{(5.40+5.45)}{2}$	X0.03	4.86	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353322

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
		1	30.00	$\frac{(5.45+5.50)}{2}$	×0.03	4.92	
		1	30.00	$\frac{(5.50+5.45)}{2}$	×0.03	4.92	
		1	30.00	$\frac{(5.45+5.50)}{2}$	×0.03	4.92	
		1	30.00	$\frac{(5.50+5.40)}{2}$	×0.03	4.90	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cutting Road Surface	1	28.00	$\frac{(5.40+5.35)}{2}$	×0.03	4.51	
		1	30.00	$\frac{(1.05+1.0)}{2}$	×0.03	0.92	
		1	30.00	$\frac{(1.0+0.90)}{2}$	×0.02	0.85	
		1	10.00	$\frac{(0.90+0.95)}{2}$	×0.03	0.27	
		1	30.00	$\frac{(1.45+1.40)}{2}$	×0.03	1.32	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353323

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(1.50+1.35)}{2}$	×0.03	1.28	
		1	30.00	$\frac{(1.35+1.45)}{2}$	×0.03	1.26	
		1	30.00	$\frac{(1.45+1.80)}{2}$	×0.03	1.32	
		1	30.00	$\frac{(1.50+1.40)}{2}$	×0.03	1.30	
						131.58 M^3	
	Rate · 6200 : 00						815796 : 00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(13) Loading and unloading & Stone boulders by manual means Complete as per specification. Quantity vide item no. (1)						
	Rate · 70 : 10					93.74 M^3	6561
	CFC						
	13/11/19						
	ಮೇಲಾಧಿಕಾರಿಗಳು ಮಾಡಿರುವ ದಾಖಲಾತಿಯಂತೆ ಅಳತೆ ಮಾಡಿ ದಾಖಲಾತಿಯಂತೆ ಇದೆ. 13/11/19						
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ದಾಖಲಾತಿಯಂತೆ ಇದೆ ಎಂಬಾಗ ವಿ.ವಿ.ಸ., ಬೆಂಗಳೂರು-24						
						Total Rs -	1640034

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

353324

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate. (1) Certified that the work done satisfactory (2) This bill amount has not been claimed in any of previous bill. 13/11/19 ಸಹಾಯಕ ಅಭಿಯಂತರರು ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ 13/11/19 ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Railway Grade.

To Kegadenagara

To Kegadenagara

To Sampigehalli

22 Culvert

23 Culvert

24 Culvert

Executive Engineer Culverts.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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